

ABSTRACT OF THE DISCLOSURE

An organic light emitting diode device includes a substrate, a light-transmissive electrode formed on the substrate, a coating-film-formative function layer including a hole transport material and an electron transport material, the function layer being formed on the substrate, trench patterns formed on the function layer, dopant doped into the function layer between walls forming these trench patterns, and a light-reflective electrode coating the trench patterns. The dopant is introduced into the trench patterns by a capillary phenomenon, thus enabling high-definition color patterning.